| FORM PTO-1390 (Modified) (REV. 11-2000)　U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTORNEY'S DOCKET NUMBER |
|---|---|
| **TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371** | 04-575 |
| | U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR **10/501375** |

| INTERNATIONAL APPLICATION NO. PCT/GB03/00035 | INTERNATIONAL FILING DATE 08 January 2003 (08.01.03) | PRIORITY DATE CLAIMED 18 January 2002 (18.01.02) |
|---|---|---|

**TITLE OF INVENTION**

An Attitude Sensor

**APPLICANT(S) FOR DO/EO/US**

**1) Philip John Nash  2) Mark Andrew Tanner**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  ☒  This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.

2.  ☐  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.

3.  ☒  This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.

4.  ☐  The US has been elected by the expiration of 19 months from the priority date (Article 31).

5.  ☒  A copy of the International Application as filed (35 U.S.C. 371 (c) (2))

    a.  ☒  is attached hereto (required only if not communicated by the  International Bureau).

    b.  ☐  has been communicated by the International Bureau.

    c.  ☐  is not required, as the application was filed in the United States Receiving Office (RO/US).

6.  ☐  An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).

    a.  ☐  is attached hereto.

    b.  ☐  has been previously submitted under 35 U.S.C. 154(d)(4).

7.  ☐  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))

    a.  ☐  are attached hereto (required only if not communicated by the International Bureau).

    b.  ☐  have been communicated by the International Bureau.

    c.  ☐  have not been made; however, the time limit for making such amendments has NOT expired.

    d.  ☐  have not been made and will not be made.

8.  ☐  An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).

9.  ☒  An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).

10.  ☐  An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

11.  ☒  A copy of the International Preliminary Examination Report (PCT/IPEA/409).

12.  ☒  A copy of the International Search Report (PCT/ISA/210).

**Items 13 to 20 below concern document(s) or information included:**

13.  ☐  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.

14.  ☐  An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.

15.  ☒  A **FIRST** preliminary amendment.

16.  ☐  A **SECOND** or **SUBSEQUENT** preliminary amendment.

17.  ☐  A substitute specification.

18.  ☐  A change of power of attorney and/or address letter.

19.  ☐  A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.

20.  ☐  A second copy of the published international application under 35 U.S.C. 154(d)(4).

21.  ☐  A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

22.  ☒  Express Mail Label No.    EV334642109US

23.  ☒  Other items or information:

    **Application Data Sheet, Filing Fee Check, Postcard, 5 sheets of Drawings,**

| U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR **10/501375** | INTERNATIONAL APPLICATION NO. **PCT/GB03/00035** | ATTORNEY'S DOCKET NUMBER **04-575** |
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24.     The following fees are submitted:.

| | CALCULATIONS   PTO USE ONLY |
|---|---|

**BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :**

- ☐ Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO . . . . . . . . . . .   $1080.00
- ☒ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO . . . . . . . .   $920.00
- ☐ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO . . . . . . . . . . .   $770.00
- ☐ International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) . . . . . . . . . . .   $730.00
- ☐ International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) . . . . . . . . .   $100.00

| **ENTER APPROPRIATE BASIC FEE AMOUNT =** | **$920.00** |
|---|---|

Surcharge of **$130.00** for furnishing the oath or declaration later than ☐ 20  ☐ 30 months from the earliest claimed priority date (37 CFR 1.492 (e)). — **$0.00**

| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | |
|---|---|---|---|---|
| Total claims | 23   - 20 = | 3 | x   $18.00 | **$54.00** |
| Independent claims | 2   - 3 = | 0 | x   $80.00 | **$0.00** |
| Multiple Dependent Claims **(check if applicable)**. | | | ☐ | **$0.00** |

| **TOTAL OF ABOVE CALCULATIONS     =** | **$974.00** |
|---|---|

☐ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. — **$0.00**

| **SUBTOTAL  =** | **$974.00** |
|---|---|

Processing fee of **$130.00** for furnishing the English translation later than ☐ 20  ☐ 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).    + — **$0.00**

| **TOTAL NATIONAL FEE     =** | **$974.00** |
|---|---|

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) **(check if applicable)**. ☐ — **$0.00**

| **TOTAL FEES ENCLOSED     =** | **$974.00** |
|---|---|

| Amount to be: refunded | $ |
|---|---|
| charged | $ |

a.  ☒  A check in the amount of ____**$974.00**____ to cover the above fees is enclosed.

b.  ☐  Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees.

c.  ☒  The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. ____**13-2490**____

d.  ☐  Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:

A. Blair Hughes
McDonnell Boehnen Hulbert & Berghoff LLP
300 S. Wacker Drive
Chicago, IL 60606

SIGNATURE

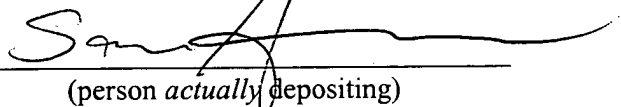A. Blair Hughes
NAME

32,901
REGISTRATION NUMBER

14 July 2004
DATE

## CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Express Mail No. EV334642109US

Deposited: July 14, 2004

I hereby certify that the attached correspondence, identified below, is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" under 37 CFR § 1.10 on the date indicated above and is addressed to the Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By: _____
(person *actually* depositing)

Patent Application of: Nash et al.

Title: An Attitude Sensor

      X Copy of International Application

      X Transmittal Letter to the United States Designated/Elected Office (DO/EO/US)

      X Postcard

      X Copy of International Search Report

      X Postcard

      X Checks

      X Patent Data Sheet

      X Preliminary Amendment

      X 5 Sheets of Drawings

      X Declaration/Power of Attorney

      X Copy of International Preliminary Examination Report

Attorney Docket No.: 04-575